

Release notes for ENDF/B Development n-061_Pm_149
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=6155, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=6155, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      226 TO      286
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=6155, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=6155, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      226
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6155, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      288
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      657
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      703
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      749
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      767
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 778

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 785

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 799

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 32
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 811

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 33
SECTION 3/ 33 NOT IN DIRECTORY RECORD NUMBER 819

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 828

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 846

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 864

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 54 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 54 | RECORD NUMBER | 881 |
| SECTION 3/ 54 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 55 | RECORD NUMBER | 898 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 56 | RECORD NUMBER | 914 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 57 | RECORD NUMBER | 930 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 58 | RECORD NUMBER | 945 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 59 | RECORD NUMBER | 960 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 60 | RECORD NUMBER | 974 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 61 | RECORD NUMBER | 988 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 62 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 62 | RECORD NUMBER | 1002 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 63 | RECORD NUMBER | 1015 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 64 | RECORD NUMBER | 1028 |
| SECTION 3/ 64 NOT IN DIRECTORY | | |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT= 91 | RECORD NUMBER | 1040 |
| SECTION 3/ 91 NOT IN DIRECTORY | | |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT=102 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT=102 | RECORD NUMBER | 1052 |
| SECTION 3/102 NOT IN DIRECTORY | | |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT=103 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT=103 | RECORD NUMBER | 1076 |
| SECTION 3/103 NOT IN DIRECTORY | | |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT=104 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT=104 | RECORD NUMBER | 1091 |
| SECTION 3/104 NOT IN DIRECTORY | | |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT=105 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT=105 | RECORD NUMBER | 1104 |
| SECTION 3/105 NOT IN DIRECTORY | | |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 3, MT=107 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 3, MT=107 | RECORD NUMBER | 1117 |
| SECTION 3/107 NOT IN DIRECTORY | | |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 2 (0): Directory (b)
- | | | |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 2 | RECORD NUMBER | 1134 |
| SECTION 4/ 2 NOT IN DIRECTORY | | |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 16 | RECORD NUMBER | 1320 |
| SECTION 4/ 16 NOT IN DIRECTORY | | |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 17 | RECORD NUMBER | 1331 |
| SECTION 4/ 17 NOT IN DIRECTORY | | |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 22 | RECORD NUMBER | 1342 |
| SECTION 4/ 22 NOT IN DIRECTORY | | |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 28 | RECORD NUMBER | 1353 |
| SECTION 4/ 28 NOT IN DIRECTORY | | |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 32 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 32 | RECORD NUMBER | 1364 |
| SECTION 4/ 32 NOT IN DIRECTORY | | |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 33 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 33 | RECORD NUMBER | 1375 |
| SECTION 4/ 33 NOT IN DIRECTORY | | |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 51 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 51 | |
| SECTION 4/ 51 NOT IN DIRECTORY | RECORD NUMBER 1386 |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 52 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 52 | |
| SECTION 4/ 52 NOT IN DIRECTORY | RECORD NUMBER 1414 |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 53 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 53 | |
| SECTION 4/ 53 NOT IN DIRECTORY | RECORD NUMBER 1442 |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 54 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 54 | |
| SECTION 4/ 54 NOT IN DIRECTORY | RECORD NUMBER 1470 |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 55 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 55 | |
| SECTION 4/ 55 NOT IN DIRECTORY | RECORD NUMBER 1495 |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 56 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 56 | |
| SECTION 4/ 56 NOT IN DIRECTORY | RECORD NUMBER 1520 |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 57 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 57 | |
| SECTION 4/ 57 NOT IN DIRECTORY | RECORD NUMBER 1548 |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 58 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 58 | |
| SECTION 4/ 58 NOT IN DIRECTORY | RECORD NUMBER 1576 |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 59 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 59 | RECORD NUMBER | 1604 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 60 | RECORD NUMBER | 1632 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 61 | RECORD NUMBER | 1660 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 62 | RECORD NUMBER | 1685 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 63 | RECORD NUMBER | 1713 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 64 | RECORD NUMBER | 1738 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 4, MT= 91 | RECORD NUMBER | 1763 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6155, MF= 5, MT= 16 | RECORD NUMBER | 1792 |
| SECTION 5/ 16 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 5, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 1876

56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 5, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1919

57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 5, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 2142

58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 5, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 5, MT= 32
SECTION 5/ 32 NOT IN DIRECTORY RECORD NUMBER 2287

59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 5, MT= 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 5, MT= 33
SECTION 5/ 33 NOT IN DIRECTORY RECORD NUMBER 2349

60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6155, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=6155, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 2420

- recent Warnings:

1. Fission widths given for non-fissile nucleus, but are zero
0: Fission?

```
Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====
Retrieval Criteria----- MAT
File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background- Output (Resonance Contribution)
... [627 more lines]
```

- fudge-4.0 Warnings:

1. The URR for this spin group needs higher energy resolution for correct representation of the average cross section
resonances / unresolved (Error # 0): URRinsufficientEnergyGrid

WARNING: More points needed in L=0 J=3.0 unresolved widths between 2.6 eV and 10. eV
 WARNING: More points needed in L=0 J=3.0 unresolved widths between 10. eV and 1.e2 eV
 WARNING: More points needed in L=0 J=4.0 unresolved widths between 2.6 eV and 10. eV
 WARNING: More points needed in L=0 J=4.0 unresolved widths between 10. eV and 1.e2 eV
 ... plus 20 more instances of this message

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.55%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.12%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 16: n[multiplicity:'2'] + Pm148 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7321579.353271484 eV vs -7.2691e6 eV!

2. Energy range of data set does not match cross section range
*reaction label 16: n[multiplicity:'2'] + Pm148 / Product: n / Distribution: / uncorre-
 lated - energy - XYs2d: (Error # 0): Domain mismatch (a)*

WARNING: Domain doesn't match the cross section domain: (7318340.0 -> 20000000.0) vs (7318350.0 -> 20000000.0)

3. Calculated and tabulated Q values disagree.
reaction label 17: n[multiplicity:'3'] + Pm147 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13216858.68991089 eV vs -1.31752e7 eV!

4. Calculated and tabulated Q values disagree.
reaction label 18: n + H1 + Nd148 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5997727.280181885 eV vs -5949640. eV!

5. Calculated and tabulated Q values disagree.
reaction label 19: n + H2 + Nd147 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11105946.34802246 eV vs -1.09786e7 eV!

6. Calculated and tabulated Q values disagree.
reaction label 20: n + H3 + Nd146 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10140916.48468018 eV vs -1.00906e7 eV!

7. Calculated and tabulated Q values disagree.
reaction label 22: n + He4 + Pr145 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 1084762.81137085 eV vs 1140090. eV!

8. Calculated and tabulated Q values disagree.
reaction label 23: H1 + Nd149_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -958939.0213623047 eV vs -906544. eV!

9. Calculated and tabulated Q values disagree.
reaction label 24: H2 + Nd148-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3773161.179260254 eV vs -3639520. eV!

10. Calculated and tabulated Q values disagree.
reaction label 25: H3 + Nd147-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4848713.407409668 eV vs -4793470. eV!

11. Calculated and tabulated Q values disagree.
reaction label 26: He4 + Pr146-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6238048.455444336 eV vs 6431190. eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 33
only mf4/mf5 provided

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (6): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided